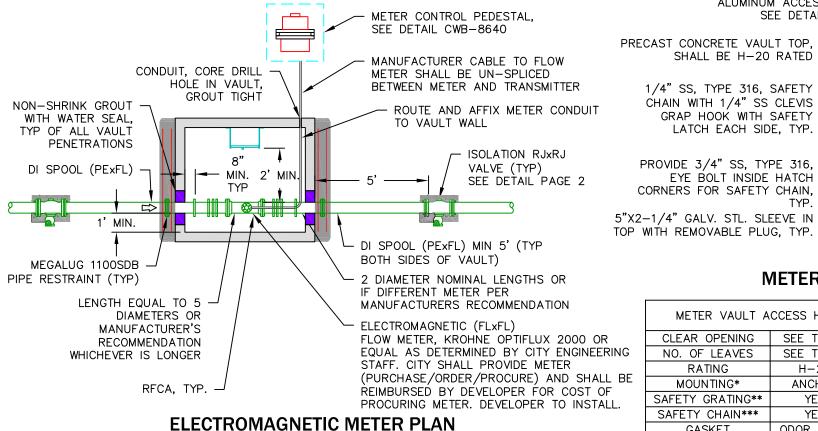
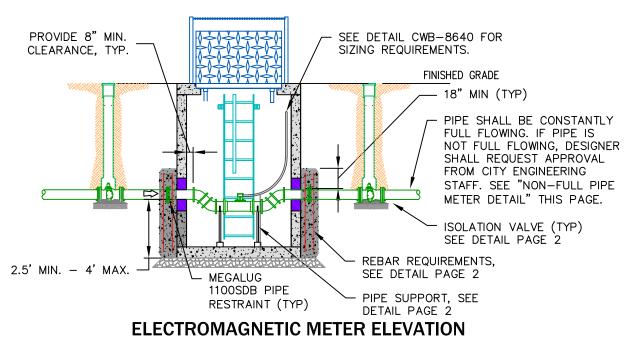
ELECTROMAGNETIC METER NOTES				
MATERIAL - PIPELINE	PIPING SHALL BE DUCTILE IRON			
COATINGS — PIPELINE	EXTERNAL PIPE COATINGS — PIPE SHALL BE COATED WITH: PRIMER, SERIES 1 OMNITHANE (2.5 TO 3.5 MIL DFT); INTERMEDIATE COAT, SERIES N69 HI—BUILD EPOXOLINE II (6 TO 8 MILS DFT); FINISH COAT, SERIES 73 ENDURA—SHIELD (3 TO 5 MILS DFT). PIPE OUTSIDE VAULT SHALL BE ASPHALTIC COATED FOR BURY. INTERNAL PIPE COATINGS — CEMENT MORTAR LINED FROM ISOLATION VALVE TO ISOLATION VALVE.			

METER VAULT SIZING					
METER SIZE	INTERIOR VAULT (MIN) (WIDTH x LENGTH)	HATCH (MIN)	LEAF		
3"	5'-6" x 6'-4"	36"x48"	1		
4"	5'-6" x 6'-4"	36"x48"	1		
6"	6'-4" x 6'-4"	48"x60"	2		
8"	6'-4" x 6'-4"	48"x60"	2		





METER VA	ULT STRUCTURAL PLAN	NON-FULL PIPE METER DETAIL
CORNERS FOR SAFETY CHAIN, TYP. X2-1/4" GALV. STL. SLEEVE IN P WITH REMOVABLE PLUG, TYP.	SAFETY GRAT **SEE HATCH	• =
PROVIDE 3/4" SS, TYPE 316, EYE BOLT INSIDE HATCH		
1/4" SS, TYPE 316, SAFETY — CHAIN WITH 1/4" SS CLEVIS GRAP HOOK WITH SAFETY LATCH EACH SIDE, TYP.	9	MENDED LAYOUT MAY ALSO BE USED WITH GINEERING APPROVAL.

INSTALLATION SHALL BE PER -

MAY EXIST WITHIN A FORCE

NON-FULL FLOWING CONDITION

DRAWING SHOWN WHEN A

MAIN. MANUFACTURERS

METER VAULT ACCESS HATCH				
CLEAR OPENING	SEE TABLE			
NO. OF LEAVES	SEE TABLE			
RATING	H-20			
MOUNTING*	ANCHOR			
SAFETY GRATING**	YES			
SAFETY CHAIN***	YES			
GASKET	ODOR TIGHT			
DRAIN	NO			
SPRING ASSIST	YES			
ACCESS HATCH NOTES:				

ALUMINUM ACCESS LADDER

SHALL BE H-20 RATED

SEE DETAIL PAGE 2

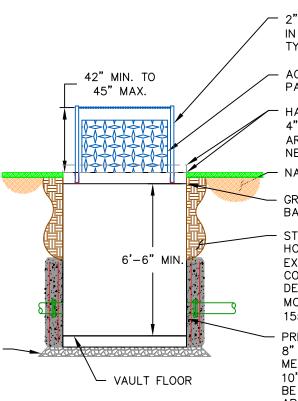
ACCESS HATCH OVER METER VAULT SHALL BE MOUNTED USING STAINLESS STEEL BOLTS AS SHOWN ON THIS PLAN.

*ACCESS HATCH SHALL HAVE REMOVABLE SAFETY GRATING COVER BELOW ACCESS HATCH

*** SAFETY CHAINS SHALL BE PROVIDED ON ACCESS HATCHES AS DETAILED FOR EACH HATCH ON THIS SHEET.

****ACCESS HATCH TO HAVE HASP FOR PADLOCK

> 6" MIN. THICK FOUNDATION MATERIAL CLASS A CONFORMING TO WSDOT SS 9-03.17, COMPACT TO 95% OF THE MODIFIED PROCTOR, TYP.



2" DIAMETER GALV. STL POLE SET IN 2-1/4" SLEEVE, REMOVABLE, TYP.

ACCESS HATCH WITH HASP FOR PADLOCK, AND A SAFETY GRATE

HATCH FLUSH IN TRAVELED AREAS/ 4" ABOVE GRADE IN UNTRAVELED AREAS, ADD RISER(S) AS **NECESSARY**

NATIVE FILL

GROUT LIFT HOOKS PRIOR TO BACKFILLING, TYP.

STRUCTURAL BACKFILL 2' HORIZONTALLY OF STRUCTURES EXTERIOR, 12" MAX. LIFTS, COMPACTED TO 95% MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D 1557) TYP.

PRECAST CONCRETE VAULT: FOR 8" PIPE AND SMALLER, SEE METER VAULT SIZING TABLE; FOR 10" PIPE AND LARGER, VAULT TO BE SUBMITTED FOR ENGINEERING **APPROVAL**

METER VAULT STRUCTURAL ELEVATION

METER STANDARD DETAIL **ELECTROMAGNETIC** FLOW SEWAGE

renatchee) 0



DETAIL NO

S-320

1 OF 1